

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	15061	(345/76,77,80,82,83,204-206,690-693,208,210-213).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/01/16 23:04
L6	3	L5 AND (stepped with threshold with voltage) AND (@pd< "20021018" OR @ad< "20021018" OR @rlad< "20021018" OR @prad< "20021018")	US- PGPUB; USPAT	OR	ON	2010/01/16 23:04
L7	23	L5 AND (step\$4 with (greater larger higher more) with threshold with voltage) AND (@pd< "20021018" OR @ad< "20021018" OR @rlad< "20021018" OR @prad< "20021018")	US- PGPUB; USPAT	OR	ON	2010/01/16 23:05
L8	10	("5812104").URPN.	USPAT	OR	ON	2010/01/16 23:06
L9	79	("5302966").URPN.	USPAT	OR	ON	2010/01/16 23:07
L10	72	L9 AND (@pd< "20021018" OR @ad< "20021018" OR @rlad< "20021018" OR @prad< "20020418")	USPAT	OR	ON	2010/01/16 23:07
S1	1	("20060043371").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 12:29
S2	10871	(345/76,77,80,82,83,204-206,690-693,208,210-213).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 13:16
S3	11	((("6014119") or ("5684365") or ("5723950") or ("6191534") or ("6809710") or ("7002536") or ("6753834") or ("5170155") or ("6384804") or ("6777888") or ("6377234"))).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 14:44
S4	5	S2 AND ((step\$4 near ramp\$4 near (voltage wave\$5)) OR (ramp with ((pulse adj code adj modulat\$4) OR PCM)))	US- PGPUB; USPAT	OR	ON	2008/02/06 15:01
S5	13	S2 AND ((step\$4 near2 ramp\$4 near2 (voltage wave\$5)) OR (ramp with ((pulse adj code adj modulat \$4) OR PCM)))	US- PGPUB; USPAT	OR	ON	2008/02/06 15:19

S6	10	S2 AND (step\$4 near2 ramp\$4 near2 (signal))	US- PGPUB; USPAT	OR	ON	2008/02/06 15:25
S7	1301	S2 AND (PWM (pulse adj width adj modulat\$4) (pulse adj density adj modulat\$4) PPM (pulse adj position adj modulat\$4))	US- PGPUB; USPAT	OR	ON	2008/02/06 15:28
S8	639	S2 AND (PWM (pulse adj width adj modulat\$4) (pulse adj density adj modulat\$4) PPM (pulse adj position adj modulat\$4)) AND capacitor	US- PGPUB; USPAT	OR	ON	2008/02/06 15:32
S9	180	S2 AND (PWM (pulse adj width adj modulat\$4) (pulse adj density adj modulat\$4) PPM (pulse adj position adj modulat\$4)) AND (ramp\$4 stepped)	US- PGPUB; USPAT	OR	ON	2008/02/06 16:43
S10	451	S2 AND ((step\$4 ramp\$4) with capacitor)	US- PGPUB; USPAT	OR	ON	2008/02/06 16:44
S11	42	S2 AND (((step\$4 ramp\$4) with capacitor) same (boost add\$3 sum \$3))	US- PGPUB; USPAT	OR	ON	2008/02/06 16:45
S12	64	S2 AND (((step\$4 ramp\$4) with capacitor) same (boost add\$3 sum \$3 shift\$3))	US- PGPUB; USPAT	OR	ON	2008/02/06 17:17
S13	89	S2 AND (transistor near2 linear)	US- PGPUB; USPAT	OR	ON	2008/02/06 18:42
S14	5	(("6239780") or ("5977940") or ("6249269") or ("6329974") or ("6525709")).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 18:37
S15	154	S2 AND (transistor near2 saturation) NOT (transistor near2 linear)	US- PGPUB; USPAT	OR	ON	2008/02/06 18:43
S16	5	("5952789"   "6157356"   "6229508"   "6384804"   "6486606").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2008/02/07 13:54
S17	3	(("20060022204") or ("20060066622") or ("20070262928")).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/02/11 13:50
S18	11993	(345/76,77,80,82,83,204-206,690-693,208,210-213).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/08/12 11:04

S19	23	S18 AND (step\$4 with (greater larger higher more) with threshold with voltage) AND (@pd< "20021018" OR @ad< "20021018" OR @rlad< "20021018" OR @prad< "20021018")	US- PGPUB; USPAT	OR	ON	2008/08/12 11:04
S20	3	S18 AND (stepped with threshold with voltage) AND (@pd< "20021018" OR @ad< "20021018" OR @rlad< "20021018" OR @prad< "20021018")	US- PGPUB; USPAT	OR	ON	2008/08/12 11:11
S21	10	("5812104").URPN.	USPAT	OR	ON	2008/08/12 11:13
S22	4	S18 AND (step\$4 near voltage same threshold) AND (@pd< "20021018" OR @ad< "20021018" OR @rlad< "20021018" OR @prad< "20021018")	US- PGPUB; USPAT	OR	ON	2008/08/12 11:18
S23	4	((("6229506") or ("20050156829") or ("7061452") or ("20030122745"))). PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/08/12 14:50
S24	1	("5,302,966").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2009/07/21 18:59
S25	75	("5302966").URPN.	USPAT	OR	ON	2009/07/21 19:07
S26	70	S25 AND (@pd< "20021018" OR @ad< "20021018" OR @rlad< "20021018" OR @prad< "20020418")	USPAT	OR	ON	2009/07/21 19:09

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15555	((345/76,77,80,82,83,204-206,690-693,208,210-213)).CCLS.	US- PGPUB; USPAT; UPAD	OR	OFF	2010/01/16 22:32
L2	13	L1 AND ((stepped discrete) near waveform).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2010/01/16 22:32
L3	30	L1 AND (active adj region).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2010/01/16 22:40

L4	43	L1 AND (linear adj region with transist\$3).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2010/01/16 22:45
S27	15555	(345/76,77,80,82,83,204-206,690- 693,208,210-213).CCLS.	US- PGPUB; USPAT; UPAD	OR	OFF	2010/01/16 12:51
S28	18	S27 AND ((stepped discrete) near voltage).clm.	US- PGPUB; USPAT; UPAD	OR	ON	2010/01/16 12:52

1/ 16/ 2010 11:09:05 PM

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